

1653



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Aleksey G. Kazantsev *et al.* Art Unit : 1653
 Serial No. : 09/933,638 Examiner : Hope Robinson
 Filed : August 20, 2001
 Title : INHIBITION OF PROTEIN-PROTEIN INTERACTION

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Commissioner for Patents
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This statement is being filed before the receipt of a first Office action on the merits. No fees are believed due. If there are any fees, or any credits, please apply them to Deposit Account No. 06-1050.

Respectfully submitted,

Date: July 15, 2003


 Lee Crews, Ph.D.
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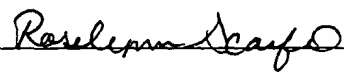
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Substitute Form PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
01997-289001Application No.
09/933,638**Information Disclosure Statement
by Applicant**

(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant
Aleksey G. Kazantsev et al.Filing Date
August 20, 2001

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U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,015,555	01/18/2000	Friden			
	AB	5,994,392	11/30/1999	Shashoua			
	AC	5,328,470	07/12/1994	Nabel <i>et al.</i>			
	AD	5,144,011	09/01/1992	Shen <i>et al.</i>			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AE							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AF	Ambrose <i>et al.</i> , "Structure and Expression of the Huntington's Disease Gene: Evidence against Simple Inactivation Due to an Expanded CAG Repeat", <i>Somatic Cell and Molecular Genetics</i> , 20(1):27-38, 1994
	AG	Bates <i>et al.</i> , "Transgenic Mice in the Study of Polyglutamine Repeat Expansion Diseases", <i>Brain Pathology</i> , 8:699-714, 1998
	AH	Burright <i>et al.</i> , "SCA1 Transgenic Mice: A Model Neurodegeneration Caused by an Expanded CAG Trinucleotide Repeat", <i>Cell</i> , 82:937-948, 1995
	AI	Chen <i>et al.</i> , "Gene Therapy for brain tumors: Regression of experimental gliomas by adenovirus-mediated gene transfer <i>in vivo</i> ", <i>Proc. Natl. Acad. Sci. USA</i> , 91:3054-3057, 1994
	AJ	Cruikshank <i>et al.</i> , "A lapidated Anti-Tat Antibody Enters Living Cells and Blocks HIV-1 Viral Replication", <i>Journal of Acquired Immune Deficiency Syndromes and Human Retrovirology</i> , 14:193-203, 1997
	AK	Davies <i>et al.</i> , "Formation of Neuronal Intranuclear Inclusions Underlies the Neurological Dysfunction in Mice Transgenic for the HD Mutation", <i>Cell</i> , 90:537-548, 1997
	AL	DiFiglia <i>et al.</i> , "Aggregation of Huntingtin in Neuronal Intranuclear Inclusions and Dystrophic Neurites in Brain", <i>Science</i> , 277:1990-1993, 1997
	AM	Duyao <i>et al.</i> , "Inactivation of the Mouse Huntington's Disease Gene Homolog <i>Hdh</i> ", <i>Science</i> , 269:407-410, 1995
	AN	Gatter <i>et al.</i> , "Transferrin receptors in human tissues: their distribution and possible clinical relevance", <i>J. Clin. Pathol.</i> , 36:539-545, 1983
	AO	Gavilondo-Cowley <i>et al.</i> , "Specific Amplification of Rearranged Immunoglobulin Variable Region Genes from Mouse Hybridoma Cells", <i>Hybridoma</i> , 9(5):407-417, 1990
	AP	Goldstein and Betz, "The Blood-Brain Barrier", <i>Scientific American</i> , pp. 74-83, 1986
	AQ	Groves and Barford, "Topological characteristics of helical repeat proteins", <i>Current Opinion in Structural Biology</i> , 9(3):383-389, 1999

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Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

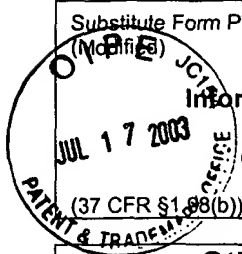
Substitute Form PTO-1449 (Modified) JUL 17 2003 PATENT & TRADEMARK OFFICE (37 CFR § 1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 01997-289001	Application No. 09/933,638
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Aleksey G. Kazantsev et al.	
		Filing Date August 20, 2001	Group Art Unit JUL 18 2003 TECH CENTER 1600/2900

Other Documents (include Author, Title, Date, and Place of Publication)

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	AR	Gutekunst <i>et al.</i> , "Nuclear and Neuropil Aggregates in Huntington's Disease: Relationship to Neuropathology", <i>The Journal of Neuroscience</i> , <u>19</u> (7):2522-2534, 1999
	AS	Haynes <i>et al.</i> , "Characterization of a Monoclonal Antibody (5E9) that Defines a Human Cell Surface Antigen of Cell Activation", <i>The Journal of Immunology</i> , <u>127</u> (1):347-351, 1981
	AT	Hodgson <i>et al.</i> , "A YAC Mouse Model for Huntington's Disease with Full-Length Mutant Huntingtin, Cytoplasmic Toxicity, and Selective Striatal Neurodegeneration", <i>Neuron</i> , <u>23</u> :181-192, 1999
	AU	Ikeda <i>et al.</i> , "Expanded polyglutamine in the Machado-Joseph disease protein induces cell death <i>in vitro</i> and <i>in vivo</i> ", <i>Nature Genetics</i> , <u>13</u> :196-202, 1996
	AV	Jenkins <i>et al.</i> , "Structure and Evolution of Parallel β -Helix Proteins", <i>Journal of Structural Biology</i> , <u>122</u> :236-246, 1998
	AW	Kakizuka, A, "Protein precipitation: a common etiology in neuro-degenerative disorders", <i>Trends in Genetics</i> , <u>14</u> (10):396-402, 1998
	AX	Kazantsev <i>et al.</i> , "Insoluble detergent-resistant aggregates form between pathological and nonpathological lengths of polyglutamine in mammalian cells", <i>Proc. Natl. Acad. Sci. USA</i> , <u>96</u> :11404-11409, 1999
	AY	Klement <i>et al.</i> , "Ataxin-1 Nuclear Localization and Aggregation: Role in Polyglutamine-Induced Disease in <i>SCA1</i> Transgenic Mice", <i>Cell</i> , <u>95</u> :41-53, 1998
	AZ	Larrick <i>et al.</i> , "Polymerase chain reaction using mixed primers: cloning of human monoclonal antibody variable region genes from single hybridoma cells", <i>Bio/Technology</i> , <u>7</u> :934-938, 1989
	BA	Lebman <i>et al.</i> , "A Monoclonal Antibody that Detects Expression of Transferrin Receptor in Human Erythroid Precursor Cells", <i>Blood</i> , <u>59</u> (3):671-678, 1982
	BB	Li <i>et al.</i> , "Ultrastructural localization and progressive formation of neuropil aggregates in Huntington's disease transgenic mice", <i>Human Molecular Genetics</i> , <u>8</u> (7):1227-1236, 1999
	BC	Mangiarini <i>et al.</i> , "Exon 1 of the HD Gene with an Expanded CAG Repeat is Sufficient to Cause a Progressive Neurological Phenotype in Transgenic Mice", <i>Cell</i> , <u>87</u> (1):493-506, 1996
	BD	Omary <i>et al.</i> , "Human cell-surface glycoprotein with unusual properties", <i>Nature</i> , <u>286</u> (5776):888-891, 1980
	BE	Orlandi <i>et al.</i> , "Cloning immunoglobulin variable domains for expression by the polymerase chain reaction", <i>Proc. Natl. Acad. Sci. USA</i> , <u>86</u> :3833-3837, 1989
	BF	Pantoliano <i>et al.</i> , "Conformational Stability, Folding, and Ligand-Binding Affinity of Single-Chain Fv Immunoglobulin Fragments Expressed in <i>Escherichia coli</i> ", <i>Biochemistry</i> , <u>30</u> :10117-10125, 1997
	BG	Pardridge, WM, "Receptor-Mediated Peptide Transport through the Blood-Brain Barrier", <i>Endocrine Reviews</i> , <u>7</u> (3):314-330, 1986
	BH	Paulson, HL, "Human Genetics'99: Trinucleotide Repeats", <i>Am. J. Hum. Genet.</i> , <u>64</u> :339-345, 1999
	BI	Perutz, MF, "Glutamine repeats and neurodegenerative diseases: molecular aspects", <i>Trends in Biochemical Sciences</i> , <u>24</u> :58-63, 1999
	BJ	Reddy <i>et al.</i> , "Recent advances in understanding the pathogenesis of Huntington's disease", <i>Trends in Neurosci.</i> , <u>22</u> (6):248-255, 1999
	BK	Robinson and Sauer, "Optimizing the stability of single-chain proteins by linker length and composition mutagenesis". <i>Proc. Natl. Acad. Sci. USA</i> , <u>95</u> :5929-5934, 1998

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	BL	Ross, CA, "Intranuclear Neuronal Inclusions: A Common Pathogenic Mechanism for Glutamin-Repeat Neurodegenerative Diseases", <i>Neuron</i> , <u>19</u> :1147-1150, 1997
	BM	Saudou <i>et al.</i> , "Huntingtin Acts in the Nucleus to Induce Apoptosis but Death Does Not Correlate with the Formation of Intranuclear Inclusions", <i>Cell</i> , <u>95</u> :55-66, 1998
	BN	Scherzinger <i>et al.</i> , "Self-assembly of polyglutamine-containing huntingtin fragments into amyloid-like fibrils: Implications for Huntington's disease pathology", <i>Proc. Natl. Acad. Sci. USA</i> , <u>96</u> :4604-4609, 1999
	BO	Sutherland <i>et al.</i> , "Ubiquitous cell-surface glycoprotein on tumor cells is proliferation-associated receptor for transferring", <i>Proc. Natl. Acad. Sci. USA</i> , <u>78</u> (7):4515-4519, 1981
	BP	Zeitlin <i>et al.</i> , "Increased apoptosis and early embryonic lethality in mice nullizygous for the Huntington's disease gene homologue", <i>Nature Genetics</i> , <u>11</u> :155-163, 1995
	BQ	Zhuchenko <i>et al.</i> , "Autosomal dominant cerebellar ataxia (SCA6) associated with small polyglutamine expansions in the α_{1A} -voltage-dependent calcium channel", <i>Nature Genetics</i> , <u>15</u> :62-69, 1997
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